

### ABSTRACT OF THE DISCLOSURE

The method and material compositions for producing objects containing in whole, or in part, biomedical polymers, are especially suitable for dental use. Microwave sensitive material compositions are injected under pressure into a mold, the mold containing a replica of a body tissue or tissues. While hydraulic pressure is maintained on the material, a microwave source emits electromagnetic energy for hardening the material in the 3-dimensionally defined space. For dental and other applications, the mold making, injection and hardening are done sequentially to rapidly produce an object which accurately fits the mold.